

MATT BLUNT

Governor

MARK S. JAMES

Director

RANDY L. COLE

State Fire Marshal



2401 E. McCarty Street
Mailing Address: P.O. Box 844
Jefferson City, MO 65102-0844
Telephone: (573) 751-2930
Fax: (573) 751-1744
E-Mail: firesafe@dfs.dps.mo.gov

**DEPARTMENT OF PUBLIC SAFETY
DIVISION OF FIRE SAFETY**

MEMORANDUM

To: Elevator Inspectors/Inspection Companies & Elevator Companies
From: Larry Watson, Deputy Chief Elevator Inspector

Reference: New Code Adoption

Effective May 30, 2007, the State of Missouri has adopted the ASME A17.1 2004 edition along with 2005 addendum and 2005 supplement. This adoption resulted in amendments to a number of Missouri's Code of State Regulations (CSR) in relation to the Elevator Safety Act as outlined below:

11 CSR 40-5.050 – New Installations

ASME A17.1 2004 edition ASME A17.1a Addenda and ASME A17.1s 2005 supplement with amendments adopted by the board, *Safety Code for Elevators and Escalators*, A18.1, 2005 edition, *Safety Standards for Platform Lifts and Stairway Chair Lifts*, ASME A17.2 2004 edition *Guide for Inspection of Elevators, Escalators, and Moving Walks*, *American National Standard Institute Safety Code for Manlifts* ANSI A90.1, 2003 edition, *American National Standard Institute Safety Code for Personnel Hoist* ANSI A10.4, 2004 edition, unless as exempted by section 701.359, RSMo.

This section reflects the adoption of more recent ASME and ANSI standards regarding the installation of new equipment. **Note:** This does not change the inspection standards used when inspecting existing installations currently addressed in 11 CSR 40-5.065 (Missouri Minimum Standards).

11 CSR 40-5.065 – Missouri Minimum Safety Code for Existing Elevator Equipment

(G) Maintenance, Repair and Alterations.

- 1. All maintenance, repair and replacement shall comply with ASME A17.1, section 8.6 2004 edition with 2005 Addenda and 2005 supplement.**
- 2. All alterations shall comply with ASME A17.1, section 8.7 2004 edition with ASME A17.1a 2005 Addenda and ASME A17.1S 2005 supplement.**
- 3. All maintenance, repair and alterations to platform lifts and stairway chair lifts shall comply with ASME A18.1, 2005 edition, *Safety Standard for Platform Lifts and Stairway Chair Lifts*.**

This section reflects the adoption of a more recent edition of the ASME standards.

This section also addresses the replacement of elevators with “single bottom” jacks. As a general rule, hydraulic elevators installed prior to 1975 will contain a single bottom jack. In addition, this section addresses the installation of escalator index skirting. The Elevator Safety Board’s position is to consider granting time extensions on a case-by-case basis for jack replacements or skirt indexing installations. Information concerning these two specific issues may be found on the Division’s Website: <http://www.dfs.dps.mo.gov/dfselev2007CodeQA.htm>

Elevators with single bottom jacks will be identified by the inspector during their inspection and noted as such on the inspection report as a “violation”. If an owner can provide verification that the single bottom jack has been previously replaced then no violation will be noted.

During the inspection of escalators, the inspector shall witness a “skirt indexing test”. If such test reveals a distance outside the code requirements, the inspector will note a “violation” on their report.

11 CSR 40-5.070 – Accessibility to the Disabled

1) New Installations of Accessible Passenger Elevators and Wheelchair Lifts. In addition to the standards imposed, the board hereby adopts and incorporates herein the *American National Standards Institute Standard for Buildings and Facilities Providing Accessibility and Usability for Physically Disabled People*, ANSI A117.1 2003 edition, Sections 407, 408, and 410, American Society of Mechanical Engineers (ASME), Three Park Avenue, New York, NY 10016 adopted by the Elevator Safety Board. This rule does not include any later amendments or additions.

This section provides for the adoption of a more recent edition of the ASME standard.

11 CSR 40-5.080 Alterations

(1) Minimum Standards. When any alterations are made, all elevator equipment, as a minimum, shall conform to the applicable requirements of section 8.7 of the ASME A17.1 2004 edition with 17.1 2005 addendum and 2005 supplement as amended by the Elevator Safety Board.

(A) Alterations listed below require an alteration permit to be obtained and submission of plans or scope of work for review by the division. The plan review fee is one hundred fifty dollars (\$150) plus twenty-five dollars (\$25) per each floor opening including the bottom floor plus twenty-five dollars (\$25) for the alteration permit fee. An acceptance inspection shall be conducted after completion of the alteration.

This section reflects the adoption of a more recent edition of the ASME standard and specifically identifies those alterations which require a plan review and acceptance inspection. (Due to the length of the list, it is not shown here. Please visit the Division’s website for the list.)

11 CSR 40-5.090 Inspection and Testing

(1) Minimum Standard. All inspections and testing required by Missouri Statute 701.350–701.380 and these rules and regulations shall be made in accordance with the standards established by these rules and regulations and the American Society of Mechanical Engineers Manuals for Elevators and Escalators, ASME A17.1 April 30, 2004, with A17-1a April 29, 2005 Addenda and 17.1s March 23, 2005 supplement, 17.2 March 20, 2005, and A18.1 November 29,

2005, American Society of Mechanical Engineers (ASME), Three Park Avenue, New York, NY 10016, adopted by the Elevator Safety Board excluding periodic inspection requirements of Table N-1, six (6)-month interval in ASME A17.1 The requirements of the six (6)-month periodic inspection is to be performed with the twelve (12)-month periodic inspection. The foregoing standards are incorporated by reference in this rule. This does not include any later amendments or additions.

This section provides clarification of the requirements of periodic inspections and tests of elevators.

11 CSR 40-5.110 Fees and Penalties

(E) State Operating Certificate Fee. The annual state operating certificate fee of twenty-five dollars (\$25) shall be paid directly to the department for each unit of elevator equipment installed within the state regardless of geographic location of the elevator. If fees are not paid to the department within the required amount of time, revocation of operation may be enforced, per 11 CSR 40-5.100.

This section increases the state operating permit fee to \$25.00.

A full copy of the rules regarding elevator equipment may be downloaded from the Missouri Secretary of State's web site: www.sos.mo.gov.

Any questions concerning these changes may be addressed to the Elevator Safety Unit of the Division of Fire Safety.